

Electronic Acknowledgement Receipt

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| EFS ID: | 4225250 |
| Application Number: | 10762210 |
| International Application Number: | |
| Confirmation Number: | 2519 |
| Title of Invention: | ACTIVATION AND EXPANSION OF CELLS |
| First Named Inventor/Applicant Name: | Ronald J. Berenson |
| Customer Number: | 65841 |
| Filer: | Julie Ann Urvater/Jessica Bukowski |
| Filer Authorized By: | Julie Ann Urvater |
| Attorney Docket Number: | IVGN 837.5 |
| Receipt Date: | 03-NOV-2008 |
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| Application Type: | Utility under 35 USC 111(a) |

Payment information:

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| Submitted with Payment | no |
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File Listing:

| Document Number | Document Description | File Name | File Size(Bytes)/Message Digest | Multi Part/.zip | Pages (if appl.) |
|-----------------|----------------------|----------------------------|---|-----------------|------------------|
| 1 | NPL Documents | 417C5_NPL_BONINI_ET_AL.pdf | 730023 2066cc02f1031c2b499538e9ce4302b51be24 | no | 6 |

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| 2 | NPL Documents | 417C5_NPL_BRUNO_ET_AL.pdf | 507942 306e1bfa0f1a7ab2fe9d4e09044796fb4bc 652a8 | no | 8 |
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| 3 | NPL Documents | 417C5_NPL_DAL_PORTO_ET_AL.pdf | 543815 fc103aa0ff0104e304299815644165-467bf 4f12 | no | 5 |
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| 4 | NPL Documents | 417C5_NPL_FISHMAN_LOBELL_ET_AL.pdf | 824164 3561b495123198e-130590028c18c6b6c/ d977 | no | 15 |
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| 5 | NPL Documents | 417C5_NPL_FLENS_ET_AL.pdf | 616660 5405419fa7cf9318a7bf8b49eeed751ef 32c9 | no | 7 |
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| 6 | NPL Documents | 417C5_NPL_FRIEDMAN_ET_AL.pdf | 762613 6d6c269107ae8c75945a27205e9f3863158 5e5fb | no | 8 |
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| 7 | NPL Documents | 417C5_NPL_FUKUMOTO_ET_AL.pdf | 472205 4544057-e1ef7f61a0c7b9167c29a0f7c2e7 4def | no | 7 |
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| 8 | NPL Documents | 417C5_NPL_FUSS_ET_AL.pdf | 1004364 88c6e916b0595a7a00f8c2f365abf002e94d 0dc | no | 12 |
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| 9 | NPL Documents | 417C5_NPL_FYHR_ET_AL.pdf | 431936 041328b03804f3ba554ba0f3beed409021 7b67a | no | 6 |
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| 10 | NPL Documents | 417C5_NPL_GOROZNY_ET_AL_1.pdf | 451832 f8a75e6f993bc6e16e0228eb2b3c1bf1aa141 9066db | no | 5 |
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| 11 | NPL Documents | 417C5_NPL_GORZNY_ET_AL.pdf | 2252869 2991d2e4ff961a6c6f0c2d8150ce2/d126fbcd1654 | no | 27 |
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| 12 | NPL Documents | 417C5_NPL_GREER_ET_AL.pdf | 2041728 6a7ff6c29756ef199cdec0c074fa60580 | no | 23 |
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| 13 | NPL Documents | 417C5_NPL_HAEGERT_ET_AL.pdf | 641328 c51d950a56f2b53bf1f2300af32aca1a6932ae4 | no | 6 |
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| 14 | NPL Documents | 417C5_NPL_HALL_ET_AL.pdf | 436312 6942a01684c61362945768bf773b446e-e1b | no | 5 |
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| 15 | NPL Documents | 417C5_NPL_HASHIMOTO_ET_AL.pdf | 661753 3e5bbd7270bfeec908e016fb3b02147422b1-8f382 | no | 6 |
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| 16 | NPL Documents | 417C5_NPL_HAYASHI_ET_AL.pdf | 1824675 2e796c9346ff5dca75dc792449850c344-babc | no | 20 |
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| 17 | NPL Documents | 417C5_NPL_HILDEMAN_ET_AL.pdf | 834967 217092ec2a264d00e1055d374baacf545e4-83a6 | no | 10 |
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| 18 | NPL Documents | 417C5_NPL_HOLBROOK_ET_AL.pdf | 428811 3813b4ff0d4f78baa4d944d7eacfc689524-4cd0b | no | 5 |
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| 19 | NPL Documents | 417C5_NPL_HOLTZMAN_ET_AL.pdf | 1085302 10e933151a65d1c570a5e436f6e91585750-32f6a | no | 14 |
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| 20 | NPL Documents | 417C5_NPL_INADA_ET_AL.pdf | 594091 b57ca5569e2974d15eff2009cad3fcac4c 075cb | no | 10 |
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| 21 | NPL Documents | 417C5_NPL_INO_ET_AL.pdf | 911566 c8f00bb6cc3ff19aa341181520013d1c3000 4e14f7 | no | 14 |
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| 22 | NPL Documents | 417C5_NPL_KALLAN_ET_AL.pdf | 828567 2ed93c6f6fb1e10344efb9a037d4f11252c 5e284 | no | 10 |
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| 23 | NPL Documents | 417C5_NPL_KANG_ET_AL.pdf | 771388 abffbb6c6edff434981675d024c55aef918 155c | no | 8 |
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| 24 | NPL Documents | 417C5_NPL_KARADIMITRIS_ET_AL.pdf | 694201 d1ff166128b9d9691003d85c3027b1e9971 bb2 | no | 8 |
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| 25 | NPL Documents | 417C5_NPL_KAY_ET_AL.pdf | 710764 766966ee7323ae53b91b4467d6f12a3 75192 | no | 8 |
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| 26 | NPL Documents | 417C5_NPL_KIM_ET_AL.pdf | 460475 b7bd8b71c4683ce2c9d481705941a6d3 fc378 | no | 5 |
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| 27 | NPL Documents | 417C5_NPL_KIRSCH_ET_AL.pdf | 880398 6d88d1b54fb60f3da03b13c88b36659 bc0ff9 | no | 11 |
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| 28 | NPL Documents | 417C5_NPL_KOETZ_ET_AL.pdf | 532429 8fd1eb531aeb99ba15140153dc2d5f4f270 0a014 | no | 6 |
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| 29 | NPL Documents | 417C5_NPL_KOLOWOS_ET_AL.pdf | 557575 2ae28e44c4660396097a1f29a9fbca7746fb a9832 | no | 7 |
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| 30 | NPL Documents | 417C5_NPL_KORNACKER_ET_AL.pdf | 346905 3e4fa66e156ec04041d01ce55d17fb d463 | no | 5 |
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| 31 | NPL Documents | 417C5_NPL_KRAWCZYK_ET_AL.pdf | 1037003 00a4841a1051e8a6872b025e18198 51e5 | no | 12 |
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| 32 | NPL Documents | 417C5_NPL_LAMY_ET_AL.pdf | 1082971 c6e22632aabb14664a2a3812f6ae78fcfc5 #11 | no | 16 |
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| 33 | NPL Documents | 417C5_NPL_LANZAVECCIA_ET_AL.pdf | 561036 3f051d04299fecfdd1150d72d87ewc16a7 277 | no | 9 |
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| 34 | NPL Documents | 417C5_NPL_LAPORT_ET_AL.pdf | 863304 54a1b119451d9-0389978006ccad-61e 0856 | no | 10 |
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| 35 | NPL Documents | 417C5_NPL_LAYTRAGOON_LEWIN_ET_AL.pdf | 890687 7334646071d202d969af0a6ca7da7ed de2cf | no | 8 |
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| 36 | NPL Documents | 417C5_NPL_LEHMANN_ET_AL.pdf | 534665 d897d3dc1b21dca5ab951f1663e3472d8 20444 | no | 6 |
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| 37 | NPL Documents | 417C5_NPL_MCCARTY.pdf | 1898470 d3601b985624aa94acde0237912a75908 533f2 | no | 21 |
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| 38 | NPL Documents | 417C5_NPL_MCFARLAND_ET_AL.pdf | 723836 54c45559479d0ff08fb314b462f3415b349781 dca7 | no | 11 |
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| 39 | NPL Documents | 417C5_NPL_MCINTOSH_ET_AL_1.pdf | 1245231 7201008f3922bd1b53462a19f9816fc3c7 ffad | no | 13 |
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| 40 | NPL Documents | 417C5_NPL_MCINTOSH_ET_AL_2.pdf | 642977 66ee51b2418fc8a1e9d5154f1b7390c3f9fe cd28 | no | 7 |
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| 41 | NPL Documents | 417C5_NPL_MELMS_ET_AL.pdf | 595417 61311b98b10164524c1519d575b6c4770f 8829 | no | 6 |
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| 42 | NPL Documents | 417C5_NPL_MIGITA_ET_AL.pdf | 542482 a192a80c9c89f7fcabce3eb681b8edc5bf107 8c3 | no | 6 |
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| 43 | NPL Documents | 417C5_NPL_MURATA_ET_AL.pdf | 595713 3af5b6d1998fb78edbf770ac79ae7d122 7805 | no | 6 |
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| 44 | NPL Documents | 417C5_NPL_MURPHY_ET_AL.pdf | 824882 748bc27168fc1ead537149a2fbfa5a07d 063ae | no | 8 |
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| 45 | NPL Documents | 417C5_NPL_MUSETTE_ET_AL.pdf | 567057 b1c6159a0f0336782c9f5e5e622e59bfed9541 bb418 | no | 6 |
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| 46 | NPL Documents | 417C5_NPL_NAGAHARA_ET_AL.pdf | 795494 59760ef96ebf0644512c24b80caea7256a 9b2e | no | 12 |
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| 47 | NPL Documents | 417C5_NPL_NAKASHIMA_ET_AL.pdf | 648481 78151119a702f6e4b3c35c2369ac1d2ec 60fb | no | 7 |
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| 48 | NPL Documents | 417C5_NPL_NAMEKAWA_ET_AL.pdf | 741604 4e08fb024edc3d5baae020544ce96cc8 e94c | no | 8 |
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| 49 | NPL Documents | 417C5_NPL_NIKOLIC_PATERSON_ET_AL.pdf | 705442 cc986fc9b52a99a021370305921ad50 724d | no | 8 |
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| 50 | NPL Documents | 417C5_NPL_NOMURA_ET_AL.pdf | 531836 b6186dc5cf99fe8e93622a1157075e7ede 596d | no | 6 |
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| 51 | NPL Documents | 417C5_NPL_OREILLY_ET_AL.pdf | 1686869 0e607cd1a77c6e1078ab59bd5542c6b4 446798 | no | 18 |
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| 53 | NPL Documents | 417C5_NPL_OKAMOTO_ET_AL.pdf | 555513 92cb6275cde092960e4f0823d7bf6d270 d69 | no | 8 |
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| 54 | NPL Documents | 417C5_NPL_OLIVE_ET_AL.pdf | 747964 1af6cc59fd411eb4ca1ca29baed115e c56b | no | 9 |
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| 55 | NPL Documents | 417C5_NPL_PAILLOT_ET_AL.pdf | 313666 e38132cb62121bf944db0d117de0fa5a c69 | no | 4 |
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| 56 | NPL Documents | 417C5_NPL_PERKINS_ET_EL.pdf | 693934 ef1623d8ff7f5cc254d6fb084a125f75f64 PS2 | no | 8 |
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| 57 | Information Disclosure Statement (IDS) Filed (SB/08) | 417C5_SUPPLEMENTAL_IDS.pdf | 161199 ef98fb0b05e5d1ae6a0112da7301ba57 d65c2 | no | 7 |
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| 58 | Information Disclosure Statement Letter | 417C5_SUPPLEMENTAL_IDS_T RANSMITTAL.pdf | 69096 4b88b40ca8581cf3b1b5c1ac806ce4812 4882 | no | 2 |
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